

For More Information



ABOUT THE DEWEY

USS Dewey was commissioned on March 6, 2010 and is named after Admiral George Dewey — the third ship to bear his name. Admiral Dewey, the only officer of the U.S. Navy ever to hold the rank of Admiral of the Navy, led his squadron of warships into Manila Bay to destroy the Spanish fleet during the Spanish-American War.

USS Dewey's capabilities include launching missiles; deploying helicopters; detecting mines; tracking and targeting submarines; and performing anti-air and anti-surface operations. With helicopters aboard, USS Dewey can also perform medical evacuations, ship replenishment, communication relay and other functions.

ONLINE RESOURCES

USS Dewey Home Page: www.dewey.navy.mil

USS Dewey Facebook Page: www.facebook.com/pages/USS-Dewey-DDG-105/197334706971348

U.S. Pacific Fleet Home Page: www.cpf.navy.mil

U.S. Pacific Fleet Facebook Page: www.facebook.com/pages/Pacific-Fleet/313315455431274

Navy Task Force Energy Facebook Page: www.facebook.com/NavalEnergy

Navy Energy, Environmental and Climate Change Web Site: <http://greenfleet.dodlive.mil/home>

Currents - The Navy's Energy & Environmental Magazine Home Page:

<http://greenfleet.dodlive.mil/currents-magazine>

Currents Facebook Page: www.facebook.com/navycurrents

USS Dewey (DDG 105)



Energy Fact Sheet

USS Dewey Quick Facts

Ship Type:	Arleigh Burke-class guided-missile destroyer
Commissioned:	March 6, 2010
Homeport:	San Diego, CA
Fleet Assignment:	Commander Third Fleet
Length:	509 feet, 6 inches (155.3 meters)
Beam:	66 feet (20 meters)
Displacement:	9,200 tons
Draft:	31 feet (9.4 meters)
Speed:	30+ knots
Builder:	Northrop Grumman Ship Systems
Manning:	380 officers and enlisted personnel
Aircraft Carried:	SH-60 Sea Hawk helicopters
Motto:	<i>Dynamis Ex Cardias</i> (The Will to Fight from the Heart)
Web Site:	www.dewey.navy.mil

USS Dewey Energy Conservation Facts

Highlights

- Achieved a 19 percent reduction in pierside energy use in 2013 while completing a challenging Basic Phase Training Cycle.
- Earned \$3,000 in operating funds from the Navy's Incentivized Energy Conservation Program (i-ENCON) based on energy-saving best practices in 2013.

Behavior/Training

- Conducted all fuel transfers with zero spills or incidents.
- Traveled at most efficient speeds when transiting between operational areas.
- Actively supported periodic underwater hull cleanings, saving up to 18 percent fuel while underway.
- Used simulators and other onboard training equipment to eliminate dozens of underway days, thereby reducing shipboard power plant use.
- Educated crew members on energy efficiency best practices (quick "Navy" showers, thermostat settings, ventilation maintenance) during check-in and annually in conjunction with safety stand-downs.
- Provided semi-annual crew training to emphasize the importance of energy conservation.
- Incorporated an "energy conservation instruction" in the engineering department's organization and regulations manual. The manual is required quarterly reading for all engineering department personnel.
- Posted energy efficiency reminders in various locations throughout the ship to reinforce best practices and reduce energy use.



Technology Optimization

- Employed digital fuel controls on gas turbine engines, allowing precise automated metering of fuel with fewer manual actions to maintain optimal fuel burn rate.
- Regularly monitored gallons per hour with fuel oil meters, allowing crew to quickly identify and correct issues as needed.
- Installed 20 anti-tampering devices on thermostats to prevent changes of air temperature that degrade energy efficiency.
- Operated only one (of six) fire pumps while maintaining system pressure, saving six barrels of fuel per day.
- Optimized use of air conditioning plants—one (of five) while in port and two at sea.
- Conducted switchboard cleanings, motor controller inspections, and other maintenance tasks on a consistent basis to ensure safety and efficient operation.
- Limited the use of bleed air (in which compressed air from the engines is diverted for anti-icing or other functions), resulting in a 12 percent fuel savings for gas turbine generators.
- Operated only one reverse osmosis (RO) unit at a time to create potable water, ensuring that water usage levels are low. This prolongs the life of the RO units and saves up to two barrels of fuel per day.
- Ran dishwashers only at full load.
- Rinsed non-medical laundry only with cold water.

